OCT 14 7005

## CASE EL/2-22695/CGC 2119/PCT

PCT

#### **CERTIFICATE OF MAILING**

by certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to the: Assistant Commissioner for Patents, Washington, D.C. 20231.

Anna R. Madda Iena

Type or print name

Signature

Date

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE PCT NATIONAL STAGE APPLICATION OF

Group Art Unit: 1771

JONATHAN ROGERS ET AL.

Examiner:

INTERNATIONAL APPLICATION NO. PCT/EP 03/05698

FILED: MAY 30, 2003

FOR: ELECTROLUMINESCENT DEVICE

U.S. APPLICATION NO: 10/517,411

35 USC 371 DATE: DECEMBER 3, 2004

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 CFR 1.56, Applicants wish to call the Examiner's attention to the references cited on the attached form PTO-1449, which references were first cited in a communication from a foreign patent office.

Copies of these references are enclosed herewith along with a copy of the International Search Report. Copies of the remaining cited references namely, U.S. 4,533,612, EP 0866110, U.S. 5,518,824, U.S. 5,104,740 and U.S. 5,116,708 have already been submitted previously.

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 forms.

# Certificate under 37 CFR 1.97(e)(1)

I, the undersigned agent, hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office not more than three months prior to the filing of this Statement.

Ciba Specialty Chemicals Corporation Patent Department 540 White Plains Road P.O. Box 2005 Tarrytown, NY 10591-9005 (914) 785-2783 Encl. References

PTO-1449 Forms
International Search Report

Respectfully submitted,

Tyler A. Stevenson Agent for Applicants Reg. No. 46,388

Sheet <u>1</u> of <u>6</u>.

FORM PTO-1	449	Docket Number (Optional)		Application Number					
QNA	MATION DISCLOSU	IRE CITA	TION	EL/2-22695/CGC 2119/PCT 10/517,411 Applicant					
	\ IN AN APPLICAT	ION	11014	JONATHAN ROGE	RS ET AL.				
B Oct,	\$			Filing Date Group Art Unit					
POCT 1 4 200	se several sheets if ne	cessary)		DECEMBER 3, 2004 1771					
A TALL	de/		U. S. PATEN	T DOCUMENTS					
EXAMINER							FILING		
INITIAL	DOCUMENT NUMBER	DATE	_	NAME	CLASS_	SUBCLASS	APPRO	PRIATE	
		<u>.</u>	<b>.</b>			ļ			
				· · · · · · · · · · · · · · · · · · ·					
				•					
			<del>                                     </del>		<del>                                     </del>	<u> </u>			
	<del></del>								
			-						
					ļ	ļ			
				<u> </u>					
						1			
			ODEIGN DATI	ENT DOCUMENTS	<u> </u>	<u> </u>			
		1 1	CINEIGIALIALI						
		.,				1	Tenna	lotion	
	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	Trans YES	lation NO	
	DOCUMENT NUMBER 03/105538				CLASS	SUBCLASS			
		DATE			CLASS	SUBCLASS			
	03/105538	DATE 12/03	PCT/World		CLASS	SUBCLASS			
	03/105538	DATE 12/03	PCT/World		CLASS	SUBCLASS			
	03/105538	DATE 12/03	PCT/World		CLASS	SUBCLASS			
	03/105538 0418385	DATE 12/03 3/91	PCT/World Europe	COUNTRY					
	03/105538 0418385 OTHE	12/03 3/91 R DOCU	PCT/World Europe .	COUNTRY  ing Author, Title, Date, Pertine	ent Pages, Etc.)		YES	NO	
	03/105538 0418385 OTHE Beilstein Registry Nu	12/03 3/91 R DOCU	PCT/World Europe .	COUNTRY	ent Pages, Etc.)		YES	NO	
	03/105538 0418385 OTHE Beilstein Registry Nu pp. 494, 499	12/03 3/91 R DOCU	PCT/World Europe  JMENTS (included)	ing Author, Title, Date, Pertine	ent Pages, Etc.)	nmun., Vol. 24	YES	NO	
	03/105538 0418385 OTHE Beilstein Registry Nu pp. 494, 499	12/03 3/91 R DOCU	PCT/World Europe  JMENTS (included)	COUNTRY  ing Author, Title, Date, Pertine	ent Pages, Etc.)	nmun., Vol. 24	YES	NO	
	03/105538 0418385 OTHE Beilstein Registry Nu pp. 494, 499	12/03 3/91 R DOCU	PCT/World Europe  JMENTS (included)	ing Author, Title, Date, Pertine	ent Pages, Etc.)	nmun., Vol. 24	YES	NO	
	OTHE Beilstein Registry Nu pp. 494, 499 Beilstein Registry Nu	12/03 3/91 R DOCU amber 286	PCT/World Europe  JMENTS (includ) 5124 for Chrnat	ing Author, Title, Date, Pertine	ent Pages, Etc.) . Chem. Com	nmun., Vol. 24	YES 4, (1959)	,	
	OTHE Beilstein Registry Nu pp. 494, 499 Beilstein Registry Nu	12/03 3/91 R DOCU amber 286	PCT/World Europe  JMENTS (includ) 5124 for Chrnat	ing Author, Title, Date, Pertine al et al., Collect. Czech. er et al, Gazz. Chim. Ita	ent Pages, Etc.) . Chem. Com	nmun., Vol. 24	YES 4, (1959)	,	
EXAMINER	OTHE Beilstein Registry Nu pp. 494, 499 Beilstein Registry Nu	12/03 3/91 R DOCU amber 286	PCT/World Europe  JMENTS (includ) 5124 for Chrnat	ing Author, Title, Date, Pertine al et al., Collect. Czech. er et al, Gazz. Chim. Ita	ent Pages, Etc.) . Chem. Com	nmun., Vol. 24	YES 4, (1959)	,	
	OTHE Beilstein Registry Nu pp. 494, 499 Beilstein Registry Nu Beilstein Registry Nu	12/03 3/91 R DOCU amber 286 amber 310	PCT/World Europe  JMENTS (included) 5124 for Chmate  0010 for Charrie	ing Author, Title, Date, Pertine al et al., Collect. Czech. er et al, Gazz. Chim. Ita	ent Pages, Etc.) . Chem. Com l., Vol. 57, ( Acta., Vol. 5	nmun., Vol. 24	YES 4, (1959)	,	
EXAMINER: Initia	OTHE Beilstein Registry Nu pp. 494, 499 Beilstein Registry Nu Beilstein Registry Nu	DATE 12/03 3/91  R DOCUmber 286  amber 310  mer or not ci	PCT/World Europe  JMENTS (including 124 for Chmata)  Output  Table 1484 for Garma  Tattion is in conformation	ing Author, Title, Date, Pertine al et al., Collect. Czech. er et al, Gazz. Chim. Ita	ent Pages, Etc.) . Chem. Com . Vol. 57, ( Acta., Vol. 5	nmun., Vol. 24	YES 4, (1959)	,	

Sheet 2\_ of 6\_.

FORM PTO-1449				Docket Number (Optional) EL/2-22695/CGC 2119/PCT			Application Number 10/517,411			
INFO	RMATION DISCLOSU IN AN APPLICAT		TION	Applicant  JONATHAN ROGERS, ET AL.  Filing Date  Group Art Unit						
	(Use several sheets if ne	ecessary)		DECEMBER 3, 2004 1771						
			U. S. PATEN	NT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER DATE			NAME CLASS		S SUBCLASS		FILING DATE IF APPROPRIATE		
		·····								
				<del></del>						
<u> </u>										
		·								
		FC	REIGN PATE	ENT DOCUMENTS			<del> </del>			
	DOCUMENT NUMBER	DATE		COUNTRY	CLAS	S SUBCLASS		Translation YES NO		
				M - 14 - 14 - 1						
		·								
	OTHE	R DOCU	MENTS (includi	ng Author, Title, Date, Pertine	nt Pages, I	Etc.)		<u>,</u>		
	Beilstein Registry Nu	ımber 1678	844 for Elbs, J.	Prakt. Chem., Vol. 108	3, (1924)	, p. 2	223			
	Beilstein Registry Nu	mber 146	520 for Fries et	al., Justus Liebigs Ann	. Chem.,	Vol	. 511, (1934)	, pp. 213	, 240	
	Beilstein Registry Nu	ımber 284	32 for Willgero	odt et al., J. Prakt. Chem	., Vol. 7	1, (1	905), p. 396			
		·								
EXAMINER	·			DATE CONSIDERED						
				ance with MPEP §609; Draw li	_					
	The state of the s		Tel and total Mi		appirelli.					

Sheet <u>3</u> of <u>6</u>.

FORM PTO-1449				Docket Number (Optional) EL/2-22695/CGC			Application Number 10/517,411			
				2119/PCT					_	
INFO	RMATION DISCLOSU IN AN APPLICAT		TION	Applicant JONATHAN ROGERS, ET AL.						
				Filing Date		Group Art Unit				
	(Use several sheets if ne	cessary)		DECEMBER 3, 2004 1771						
			U.S. PATEN	T DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME	CLAS	S SUBCLASS		FILING DATE IF APPROPRIATE		
						-		<del></del>		
								-		
<u> </u>										
		FC	REIGN PATE	ENT DOCUMENTS						
								Translation		
	DOCUMENT NUMBER	DATE	· · . · .	COUNTRY	CLASS		SUBCLASS	YES	NO	
			*							
							. <u> </u>			
							in the second			
	OTHE	R DOCU	MENTS (includi	ng Author, Title, Date, Pertine	ent Pages, l	Etc.)				
	Beilstein Registry Nu	ımber 205	560 for Krollpf	feiffer et al., Justus Lieb	igs Ann.	Chem	ı., Vol. 515,	(1935),		
	p. 119									
	Beilstein Registry Nu	ımber 167	842 for Zanirat	o, J. Chem. Soc. Chem.	Commu	n., Vo	l. 19, (1983	), pp.		
	1065-1067						· · · · · · · · · · · · · · · · · · ·			
	Beilstein Registry Nu	mber 254	15 for Joshi et	al, J. Indian Chem. Soc.	, Vol. 35	, (195	8), pp. 681,	682, 68	5	
		·-· -·								
EXAMINER				DATE CONSIDERED						
EXAMINER: Initia	I if citation considered, whet	her or not cita	ation is in conforma	ance with MPEP §609; Draw Ii	ine through					
	,			Ç,						

Sheet 4 of 6

FORM PTO-1449				Docket Number (Optional)  EL/2-22695/CGC 2119/PCT  Application Number 10/517,411						
INFO	RMATION DISCLOSU		ΓΙΟΝ	Applicant						
	IN AN APPLICAT	rion		JONATHAN ROGEI	RS, ET /	AL.	ıp Art Unit	<del>, .</del>		
	(Use several sheets if ne	ecessary)		DECEMBER 3, 2004 1771						
			U. S. PATEN	ENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE		NAME CLASS		S SUBCLASS		FILING DATE IF APPROPRIATE		
	}									
								·		
		<del> </del>						·		
		FC	REIGN PATI	ENT DOCUMENTS	<del>,</del>					
	DOCUMENT NUMBER	DATE		COUNTRY	CLASS		SUBCLASS	Translation YES NO		
<u></u>								*****		
<del></del>										
									(	
		<del>11. 1 </del>								
	OTHE	R DOCU	MENTS (includ	ing Author, Title, Date, Pertine	ent Pages, I	Etc.)				
	Beilstein Registry Nu	ımber 205	21 for Charrier	, Gazz. Chim. Ital., Vol	. 40, (191	l0), p	o. 138	<del></del>		
	Beilstein Registry Nu	ımber 139	89 for Poskoci	l et al., Collect. Czech.	Chem. Co	omm	un., Vol. 22,	(1957),	pp.	
	548, 555									
	Beilstein Registry Nu	ımber 765	2458 for Butle	r et al., J. Chem. Soc. Po	erkin Tra	ns. 1	, (1997), pp.	1047-		
<u></u>	1050									
EXAMINER				DATE CONSIDERED						
EXAMINER: Initia	I if citation considered, whet	her or not cit	ation is in conforma	ance with MPEP §609; Draw I	ine through					
citation if not in co	nformance and not consider	ed. Include (	copy of this form w	ith next communication to the	applicant.					

Sheet <u>5</u> of <u>6</u>.

FORM PTO-1449				Docket Number (Optional)   Application   EL/2-22695/CGC   10/517,4   2119/PCT			lication Number 517,411			
INFC	RMATION DISCLOSU		ΓΙΟΝ	Applicant JONATHAN ROGERS, ET AL.						
				Filing Date		i i	up Art Unit			
	(Use several sheets if ne	cessary)		DECEMBER 3, 2004 1771						
			U.S. PATEN	T DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	CUMENT NUMBER DATE			NAME CLASS		S SUBCLASS		DATE IF PRIATE	
			· · · · · · · · · · · · · · · · · · ·		<u> </u>					
1			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,							
<del>, , , , _ , , , , , , , , , , , , , , ,</del>										
						.,				
<del></del>	-	FC	RFIGN PATI	ENT DOCUMENTS						
								Trans	lation	
	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	S	SUBCLASS	YES	NO	
	[ ]									
			<del></del>							
	<u> </u>									
						$\dashv$				
			· · · · · · · · · · · · · · · · · · ·							
	OTHE	R DOCU	MENTS (includi	ng Author, Title, Date, Pertine	nt Pages, E	Etc.)				
	Beilstein Registry Nu	mber 850	6620 for Katrit	ritzky et al., Heterocycles, Vol. 52, No. 1, (2000), pp. 203-214						
10										
	Beilstein Registry Nu	ımber 554	478 for Iwamo	to et al., Yuki Gosei Ka	gaku Kyo	okais	shi, Vol. 23, (	1965) p.		
	51									
	P. López-Alvarado e	al., J. Org	z. Chem., (1995	5), Vol. 60, pp. 5678-56	82		<u> </u>		<u> </u>	
		,	,	,,, <sub>FP</sub>			····			
EXAMINER	l	<del></del>		DATE CONSIDERED						
EXAMINER: Initia	I if citation considered, whet	her or not cita	ation is in conforma	ance with MPEP §609; Draw li	ne through					
citation if not in co	nformance and not consider	ed. Include o	copy of this form wi	ith next communication to the	applicant.					

Sheet <u>6</u> of <u>6</u>.

FORM PTO-14	FORM PTO-1449				Docket Number (Optional)			Application Number 10/517,411			
				EL/2-22695/CGC 10/517,411 2119/PCT							
INFO	RMATION DISCLOSU		ΓΙΟΝ	Applicant							
	IN AN APPLICAT	rion .		JONATHAN ROGERS, ET AL. Filing Date Group Art Unit					_		
	(Use several sheets if no	ecessary)		DECEMBER 3, 2004 1771							
	·	·····	U. S. PATEN	NT DOCUMENTS							
EXAMINER								FILING I	DATE IF		
INITIAL	DOCUMENT NUMBER	DATE		NAME	CLAS	s	SUBCLASS	APPROPRIATE			
	·										
		<u> </u>									
		····		<del></del>	ļ	$\dashv$					
		<del>, , , , , , , , , , , , , , , , , , , </del>									
			<u>,, , , , , , , , , , , , , , , , , , ,</u>		<b>-</b>						
· · · · · · · · · · · · · · · · · · ·											
		FC	REIGN PATI	ENT DOCUMENTS							
								Trans			
	DOCUMENT NUMBER	DATE		COUNTRY	CLAS	S	SUBCLASS	YES	NO		
					<b>_</b>						
					<u></u>						
	OTHE	R DOCU	MENTS (includi	ng Author, Title, Date, Pertine	ent Pages	Etc.)					
	Yasuda, J. Heterocyc				nt t agoo,						
	i asuda, J. Heterocyc	ne Chem.	, voi. 33, pp. 3	03-309, (1998)							
		<del></del>									
		· <del></del>						···			
			<del></del>	· · · · · · · · · · · · · · · · · · ·							
EXAMINER				DATE CONSIDERED							
EXAMINER: Initia	Lif citation considered whet	her or not cit:	ation is in conforma	ance with MPEP §609; Draw I	ine through			·····			
				th next communication to the	_						
Same a not in co.	morniance and not winskiel	es. maaue (	why or one rount wi	ar next communication to the	applicant.						